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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/635,739

08/05/2003

Toshimichi Kishimoto

16869P-085500US

8839

20350

7590

03/22/2006

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EXAMINER

PATEL, NIKETA I

ART UNIT

PAPER NUMBER

2181

DATE MAILED: 03/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/635,739	KISHIMOTO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Niketa I. Patel	2181	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 30 December 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4-6 is/are allowed.
- 6) ☒ Claim(s) 1-3 and 7-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.


### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
**Fritz Fleming**  
 Supervisory PRIMARY EXAMINER  
 GROUP 2100  
 Au 2181  
 3/17/2006

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
     Paper No(s)/Mail Date 8/5/03, 1/10/05.

- 4) ☐ Interview Summary (PTO-413)  
     Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 112*

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

2. Claims 1-3, 7-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claim 1 recites the limitation "the script sheet" in line 12. There is insufficient antecedent basis for this limitation in the claim. Claim 1 recites, '**the command group *described on the script sheet***,' however the examiner suggest that it should recite, '**the command group received by the service processor**'.

### *Response to Arguments*

4. Applicant's arguments, see pages 7-10, filed 12/30/2005, with respect to claims 1-13 have been fully considered and are persuasive. The rejection of claims 1-13 has been withdrawn.

### *Allowable Subject Matter*

5. Claims 4-6 are allowed.
6. Claims 1-3, 7-13 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
7. The following is a statement of reasons for the indication of allowable subject matter:

**As per claims 1-3, 7-13**, the prior art of record taken alone and/or in combination with other, fails to teach and/or fairly suggest a storage device comprising, a terminal device creating a digest of the command group after determining that the command group is valid, the terminal device using a secret key to encrypt the digest created, and sending to the service processor a digest data of the digest encrypted using the secret key and the command group and a service processor decrypts the encrypted digest data received and compares the decrypted digest data with a digest data of the digest created from the command group received and determines approval or denial of execution of the command group, based on results of comparison between the decrypted digest data and the digest data of the digest created from the command group, in combination with other recited limitations.

**As per claims 4-5**, the prior art of record taken alone and/or in combination with other, fails to teach and/or fairly suggest a method of setting a configuration information of a storage device comprising, creating a digest of the command group when the command group is determined to be valid, using a secret key to encrypt the digest created, sending by the terminal device to the service processor a digest data of the digest encrypted using the secret key and the command group, creating a digest from the command group received by the service processor, decrypting the encrypted digest data received by the service processor to compare the decrypted digest data with a digest data of the digest created from the command group received by the service processor executing the command group to set a structure of the storage device in the case where results of comparison between the decrypted digest data and the digest of the digest created from the command group indicates correspondency, in combination with other recited limitations.

As per claim 6, the prior art of record taken alone and/or in combination with other, fails to teach and/or fairly suggest a method of setting configuration information comprising determining by a storage management terminal validity of a command group described on a script sheet, the command group related to the configuration information of the storage device, creating a digest of the command group when the command group is determined to be valid, using a secret key to encrypt the digest created, sending to the service processor a digest data of the digest encrypted using the secret and the command group described on the script sheet, creating a digest from the command group received by the service processor, decrypting the encrypted digest data, comparing the result with a digest data of the digest created from the command group received by the service processor and executing the command group described on the received script sheet to set a structure of the storage device in the case where results of comparison between the decrypted digest data and the digest data of the digest created from the command group indicates correspondence, in combination with other recited limitations.

### *Conclusion*

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Niketa I. Patel whose telephone number is (571) 272 4156. The examiner can normally be reached on M-F 8:00 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fritz Fleming can be reached on (571) 272 4145. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP  
03/17/2006

  
FRITZ FLEMING  
Supervisory PRIMARY EXAMINER  
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AU2181 3/17/2006